

ABSTRACT

An open community model for information exchange enables individuals to plan and attain superior outcomes in a dynamic environment. A continually “world model” maintains information about the dynamic environment that is valuable for individuals of the open community. An open community model application publicizes a specification of relevant types of information it receives from suppliers and provides to consumers. Suppliers provide information consistent with the specification. Consumers utilize received information to reduce uncertainties or errors in the assumed environment so they can generate improved plans or improve their expected outcomes. Consumers give feedback to the open community model about the quality of information they received. A “world model” application combines information received to update and improve its understanding of the dynamic environment and its estimates of relevant parameters. The community model simplifies the creation and operation of information markets where innovative products are naturally selected and economically reinforced.

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